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Title 40: Protection of EnvironmentPART 98—MANDATORY GREENHOUSE GAS REPORTING Subpart A—General Provision

Table A-1 to Subpart A of Part 98—Global Warming Potentials

[100-Year Time Horizon]

			Global warming potential
Name	CAS No.		(100 yr.)
Carbon dioxide	124–38–9	co ₂	1
Methane	74–82–8	CH ₄	21
Nitrous oxide	10024– 97–2		310
HFC-23	75–46–7	CHF ₃	11,700
HFC-32	75–10–5	CH ₂ F ₂	650
HFC-41	593–53–3	CH ₃ F	150
HFC-125	354–33–6	C ₂ HF ₅	2,800
HFC-134	359–35–3	C ₂ H ₂ F ₄	1,000
HFC-134a	811–97–2	CH ₂ FCF ₃	1,300
HFC-143	430–66–0	С ₂ Н ₃ F ₃	300
HFC-143a	420–46–2	C ₂ H ₃ F ₃	3,800
HFC-152	624–72–6	CH ₂ FCH ₂ F	53
HFC-152a	75–37–6	CH ₃ CHF ₂	140
HFC-161	353–36–6	CH ₃ CH ₂ F	12
HFC-227ea	431–89–0	C ₃ HF ₇	2,900
HFC-236cb	677–56–5	CH ₂ FCF ₂ CF ₃	1,340
HFC-236ea	431–63–0	CHF ₂ CHFCF ₃	1,370
	1		

HFC-245ca		$C_3H_2F_6$	6,300
111 0-2430a	679–86–7	С ₃ Н ₃ F ₅	560
HFC-245fa	460–73–1	CHF ₂ CH ₂ CF ₃	1,030
HFC-365mfc	406–58–6	CH ₃ CF ₂ CH ₂ CF ₃	794
HFC-43-10mee	138495– 42–8	CF ₃ CFHCFHCF ₂ CF ₃	1,300
Sulfur hexafluoride	2551–62– 4	<u> </u>	23,900
Trifluoromethyl sulphur pentafluoride	373–80–8	0	17,700
Nitrogen trifluoride	7783–54– 2	Ŭ	17,200
PFC–14 (Perfluoromethane)	75–73–0		6,500
PFC–116 (Perfluoroethane)	76–16–4		9,200
PFC–218 (Perfluoropropane)	76–19–7		7,000
Perfluorocyclopropane	931–91–9		17,340
PFC-3-1-10 (Perfluorobutane)	355–25–9	C ₄ F ₁₀	7,000
Perfluorocyclobutane	115–25–3	C-C ₄ F ₈	8,700
PFC–4–1–12 (Perfluoropentane)	678–26–2	C ₅ F ₁₂	7,500
PFC-5-1-14 (Perfluorohexane)	355–42–0	Words electro aler	7,400
PFC-9-1-18	306–94–5		7,500
HCFE–235da2 (Isoflurane)	46–7	CHF ₂ OCHCICF ₃	350
HFE–43–10pccc (H– Galden 1040x)	E1730133	CHF ₂ OCF ₂ OC ₂ F ₄ OCHF ₂	1,870
HFE-125	3822–68– 2	CHF ₂ OCF ₃	14,900
HFE-134	1691–17– 4	CHF ₂ OCHF ₂	6,320
HFE-143a	421–14–7	CH ₃ OCF ₃	756
HFE-227ea	2356–62– 9	CF ₃ CHFOCF ₃	1,540
HFE-236ca12 (HG-10)	78522– 47–1	CHF ₂ OCF ₂ OCHF ₂	2,800
HFE-236ea2 (Desflurane)	57041– 67 <i>–</i> 5	CHF ₂ OCHFCF ₃	989
HFE-236fa	20193–	CF ₃ CH ₂ OCF ₃	487

	67–3		
HFE-245cb2	22410– 44–2	CH ₃ OCF ₂ CF ₃	708
HFE-245fa1	84011– 15–4	CHF ₂ CH ₂ OCF ₃	286
HFE-245fa2	1885–48– 9	CHF ₂ OCH ₂ CF ₃	659
HFE-254cb2	425–88–7	CH ₃ OCF ₂ CHF ₂	359
HFE-263fb2	460–43–5	CF ₃ CH ₂ OCH ₃	11
HFE-329mcc2	67490– 36–2	CF ₃ CF ₂ OCF ₂ CHF ₂	919
HFE-338mcf2	156053– 88–2	CF ₃ CF ₂ OCH ₂ CF ₃	552
HFE-338pcc13 (HG-01)	78–0		1,500
HFE-347mcc3	28523– 86–6	CH ₃ OCF ₂ CF ₂ CF ₃	575
HFE-347mcf2	E1730135	CF ₃ CF ₂ OCH ₂ CHF ₂	374
HFE-347pcf2	406–78–0	CHF ₂ CF ₂ OCH ₂ CF ₃	580
HFE-356mec3	382–34–3	CH ₃ OCF ₂ CHFCF ₃	101
HFE–356pcc3	160620- 20-2	CH ₃ OCF ₂ CF ₂ CHF ₂	110
HFE-356pcf2	E1730137	CHF ₂ CH ₂ OCF ₂ CHF ₂	265
HFE–356pcf3	35042- 99-0	CHF ₂ OCH ₂ CF ₂ CHF ₂	502
HFE-365mcf3	378–16–5	CF ₃ CF ₂ CH ₂ OCH ₃	11
HFE-374pc2	512–51–6	CH ₃ CH ₂ OCF ₂ CHF ₂	557
HFE–449sl (HFE–7100) Chemical blend	163702– 07–6 163702– 08–7	C ₄ F ₉ OCH ₃ (CF ₃) ₂ CFCF ₂ OCH ₃	297
HFE–569sf2 (HFE–7200) Chemical blend	163702– 05–4 163702– 06–5	C ₄ F ₉ OC ₂ H ₅ (CF ₃) ₂ CFCF ₂ OC ₂ H ₅	59
Sevoflurane	28523– 86–6	CH ₂ FOCH(CF ₃) ₂	345
HFE-356mm1	13171– 18–1	(CF ₃) ₂ CHOCH ₃	27
HFE-338mmz1	08–2		380
(Octafluorotetramethy- lene)hydroxymethyl group	NA	X-(CF ₂) ₄ CH(OH)-X	73
HFE-347mmy1	22052–		343

	84–2	CH ₃ OCF(CF ₃) ₂	
Bis(trifluoromethyl)- methanol	920–66–1	(CF ₃) ₂ CHOH	195
2,2,3,3,3- pentafluoropropanol	422–05–9	CF ₃ CF ₂ CH ₂ OH	42
PFPMIE	NA	CF ₃ OCF(CF ₃) CF ₂ OCF ₂ OCF ₃	10,300

NA = not available.

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